INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34140

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : C01B 3/32			
US CL : 48/127.3, 190, 192			
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 48/127.3, 190, 192			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	Relevant to claim No.	
A	US 5,127,231 A (LARUE et al.) 7 July 1992 (07.07.1992)		1-16
Α	US 4,805,674 A (KNOWLTON) 21 February 1989 (21.02.1989		1-16
A	US 3,765,489 A (MALY) 16 October 1973 (16.10.1973)		1-16
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Further documents are listed in the continuation of Box C. See patent family annex. * Special categories of cited documents: "T" later document published after the international filing date or priority			
"E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to		"T" later document published after the inte date and not in conflict with the applic	ation but cited to understand the
		principle or theory underlying the Invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
		being obvious to a person skilled in th	
		"P" document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search		Date of mailing of the international search report 1 4 OCT 2004	
19 September 2004 (19.09.2004)		Authorized officer	
Name and mailing address of the ISA/US Mail Stop PCT, Ann: ISA/US		1107-61	
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Form PCT/ISA/210 (second sheet) (July 1998)